



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.7712
Job Sheet 186236



Part No: 647.7712

Job Qty: 36 ea

Part Name: Strut Tube



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/13/18

Job Tracking No:

Due Date: 11/27/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV A2 IPP REV:A NEW ISSUE 12-11-06 JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	36 Ea	11/27/18	11/27/18	0.00	0.00	Start Up Machining-1	1/18 380 15/11/27	
100	Hardinge	36 pcs	11/27/18	11/27/18	0.00	3.41	Hardinge		
110	QC	36 pcs	11/27/18	11/27/18	0.00	0.00	QC2 Machining-1		
120	QC	36 pcs	11/27/18	11/27/18	0.00	0.00	QC8 Machining-1		
130	Packaging	36 pcs	11/27/18	11/27/18	0.00	0.00	Packaging3-1	Rt 2018-11-28	
140	QC21-SA	36 Ea	11/27/18	11/27/18	0.00	0.00	QC21		

Part Op Descriptions: 100 - Machine as per folio FB148 FOLIO REV: _____ Debur

21
9-89 NOV 28 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M4130NR0.375	4130 Steel Round Bar .375"	1.8000 ft (.05 ea)	90-Start up Operation	5100767

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M4130NR0.375	2	88	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Strut Tube	0.580inches ± 0.030	0.610 0.550		
2	Strut Tube	0.375inches ± 0.010	0.385 0.365	Diameter	
3	Strut Tube	0.225inches + 0.005 - 0.001	0.230 0.224	Diameter	

Plex 11/13/18 10:30 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td style="width: 20%;">Skid-tube ☐</td> <td style="width: 20%;">Cross tube ☐</td> <td style="width: 20%;">Water Jet ☐</td> <td style="width: 20%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Large Fab ☐	Composite ☐	Supplier ☐																			
Date : _____	Step #: _____			MRB (QSI042) Approval																	
Description Work Order 1270 Aberdeen Street Hewkesbury, ON K6A 1K7 CANADA TEL.: 1 813 532-5200 Email: sales@dartero.com www.dartaerospace.com Date: 11/27/18 DART AEROSPACE Container No: S132032 Part: 647.7712 Job No: 186236 Serial No/Batch: S132032 Revision: Inspector: Exp Date: Instructions:				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause <table style="width: 100%;"> <tr> <td style="width: 50%;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width: 50%;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	<table style="width: 100%;"> <tr> <td style="width: 33%;"> Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width: 33%;"> Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> <td style="width: 33%;"> Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ </td> </tr> <tr> <td colspan="3" style="text-align: center;"> OTHER : _____ </td> </tr> </table>			Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	OTHER : _____											
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